



**ARTIFICIAL GRASS PROPOSAL**

*Revised Date: 4/23/18 -Revision II*

*PREPARED FOR: Pioneer Park - Calistoga*

**Heavenly Greens**

*370 Umbarger Road  
San Jose, CA 95111*

*Proposal Prepared by:  
Andrew Bergot*

*Commercial Project Manager*

*Cell Phone: (650) 291-7264*

*Office Phone: (408) 600-2192*

*Fax: (408) 723-4952*

*E-Mail: [andrew@heavenlygreens.com](mailto:andrew@heavenlygreens.com)*

*[www.heavenlygreens.com](http://www.heavenlygreens.com)*

*Contractor License: 923094*



## **COMPANY OVERVIEW**

Heavenly Greens has been Northern California's premier synthetic turf dealer for more than 16 years. During that time, Heavenly Greens has performed over 15,000 commercial, residential and military installations, making us the premier provider of synthetic landscaping for the Northern California area. Heavenly Greens only employs professional, experienced and trained personnel to handle sales, installation and customer care for all our landscape improvement projects.

Heavenly Greens provides professional installation to maintain a consistently high level of quality and to protect our customers' investments. Our company uses the latest equipment and offers an outstanding warranty to ensure every installation we complete always looks its best.

## **THE PRODUCT**

The products offered by Heavenly Greens are the same products being used by many military installations, large commercial and institutional complexes, as well as by the National Football League, Professional Baseball, college and high school sports teams. These organizations have done the research on the best turf options for their stringent requirements and have selected FieldTurf.

Heavenly Greens products were designed with a single goal in mind – to create an artificial surface that duplicates the look, feel and working conditions of real grass. After years of research and development, Heavenly Greens is unlike any other artificial turf. Instead of a dense, abrasive rug, the fiber surfaces are soft and silky, just like new blades of grass. People can slide, play, fall and tumble on a unique blend of specially treated polyethylene fibers without fear of abrasions.

### *People & Pet Friendly*

- Looks and Feels Just Like Real Grass
- Long Life Expectancy
- Superior Drainage Capabilities
- Rapid ROI from Water & Maintenance Savings
- Minimal Maintenance Required
- No Harmful Fertilizers or Pesticides Needed
- Non-Allergenic
- Does Not Stain Clothes

## **DEPENDABLE INSTALLATION**

Heavenly Greens is fully insured, licensed and bonded and with 15,000 installations, our crews have extensive experience working on commercial properties and military installations. Plus, our crews will use the proper procedures for gaining access to an installation/job site. Additionally, all Heavenly Greens' employees are required to undergo a rigorous training program before working on any project.

Our patented installation process includes polyethylene blades and sand or Envirofill infill that provides years of grass-like appearance and use, without the regular maintenance of natural grass. Also, 100% of all seams are stapled and glued using adhesives specifically recommended by the manufacturer. Once installed, our products are resistant to temperature extremes, drain quickly (faster than real grass at over 300 inches per hour), and are extremely low-maintenance.

## **ENVIRONMENTAL IMPACT**

Heavenly Greens has made a commitment towards having a positive impact on the environment. Water use is nearly eliminated with Heavenly Greens, as it does not require any irrigation to retain its color and texture. Fuel consumption and noise concerns associated with lawn maintenance will be nonexistent. Heavenly Greens eliminates the need for fertilizers, pesticides or other harmful chemicals that adversely impact our earth's soil. Furthermore, exhaust from 2-cycle mowers and trimmers is reduced or eliminated.

### *Substantial Environmental Benefits*

- Dramatically Improves Water Conservation
- Water & Energy Efficient Landscaping
- Can Assist in Obtaining 12 to 18 LEED Points
- Minimizes Site Disturbance
- Enhances Erosion Control
- Improves Storm Water Management
- Heavenly Greens Products are 100% Recyclable

## **LEED CERTIFICATION**

As a member of the U.S. Green Building Council, Heavenly Greens is proud to offer products that can significantly contribute to an installation's Leadership in Energy and Environmental Design (LEED) Certification. The LEED Green Building Rating System™ is a third-party certification program and the nationally accepted benchmark for sustainable green building and development practices. Heavenly Greens synthetic turf systems are designed to meet stringent

LEED criteria and can assist in obtaining 12 to 18 points toward LEED certification. Additionally, all EasyTurf products are made from 100% recyclable materials.

### **CUSTOMER SERVICE GUARANTEE**

Heavenly Greens is a professional synthetic turf company with an outstanding dedication to customer satisfaction. Every installation begins with a free design consultation from one of our professional and knowledgeable design consultants who will provide guidance and recommendations regarding the project.

Each project is overseen by an experienced Heavenly Greens installation foreman. Customers will be advised on arrival times and contacted if schedule changes are necessary. Additionally, all projects are completed in as timely a manner as possible, and the installation area will be left clean with all left-over materials removed.

### **WARRANTY – COMMERCIAL PROJECTS**

Heavenly Greens products are warranted for a period of eight (8) years from the date of completed installation against all defects in workmanship and premature wear and tear, provided the product is properly maintained. The manufacturer warranty provides for an eight (8) year guarantee from ultraviolet degradation due to normal exposure to the sun. Heavenly Greens synthetic lawns are the only products in the industry backed by a third-party insurer.

### **CARING FOR A HEAVENLY GREENS LAWN**

Minimum care is recommended to keep your turf performing as designed and wearing properly. This mostly concerns removing leaves and other debris, which can be done using a leaf rake or power blower. On rare occasions, infill material may be displaced in high-traffic areas or after periods of extreme rainfall and the use of a leaf rake may be necessary to relocate displaced infill.

## **Scope of Work**

**Location:** Pioneer Park, Calistoga. Quotes are for the following: Estimate #1 - Entire Large Area where Gazebo is located (Approx. 8,819 square feet). Estimate #2 - Partial Area where Gazebo is located (Approx. 5,514 square feet).

### **Scope of Work:**

- 1. Heavenly Greens to remove and haul away up to 4" of grass and dirt.**
- 2. Heavenly Greens to install 2" x 4" synthetic nailer board to anchor turf.**
- 3. Heavenly Greens to install ¼" galvanized steel gopher wire.**

4. Heavenly Greens to install up to 3" of compacted/permeable Class II base rock.
5. Heavenly Greens to install 2" x 4" synthetic bender board for edging/tree ring.
6. Heavenly Greens to install Fescue synthetic turf with sand infill.
7. Heavenly Greens to power brush the turf after infill is installed.
8. Heavenly Greens to clean up area after installation is complete.

**EXCLUSIONS**

- Heavenly Greens portion of this project includes only those items listed above. Any additional work or requirements will result in additional cost.
- Heavenly Greens is not responsible for any crane lifts or traffic control unless expressly negotiated.
- Heavenly Greens is not responsible for any work relating to moisture barrier
- HG is not responsible for permits or fees other than those negotiated in scope of work agreement
- Work must be performed during normal work hours. Any requirements to perform installations outside normal work hours including Saturdays will be at an additional charge
- All jobs require a site inspection prior to installation to verify the scope of work.

-Pricing for the turf installation is based on a **Service Contract** and is valid for 60 days.

-Prevailing wage **IS** included in pricing.

- Bonds **NOT** included in proposal

-Any changes to this proposal/contract must be done so in writing with a change order.

-10% due at signing, 40% due 10 days before start of work. The final 50% is due upon completion.

-There have been random cases of artificial turf being melted by highly reflective surfaces such as low-e window. Heavenly Greens does not warranty this damage should it occur.

<b><i>Estimate 1: Heavenly Greens to perform 1-8 as shown above.</i></b>	<b><i>\$115,814</i></b>
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<b><i>Estimate 2: Heavenly Greens to perform 1-8 as shown above.</i></b>	<b><i>\$75,414</i></b>
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Scheduling will take place upon receipt of Purchase Order or receipt of this signed proposal and or contract accepting terms and authorizing work.

Name: \_\_\_\_\_ Company: \_\_\_\_\_

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Title: \_\_\_\_\_

## SHOWCASE LOCATIONS

Heavenly Greens & Field Turf have thousands of commercial and residential installations in the Northern California area with highly visible commercial locations including:

- Solage Resort
- Calistoga Ranch
- Meadowood Resort
- Oakland Raiders Training Facility
- San Jose State University
- Woodmont Real Estate Services - Greenpointe Apartments
- Silicon Valley Humane Society
- Monterey SPCA
- Del Monte Dog Park in San Jose
- Greystar – 3<sup>rd</sup> on Merritt
- Santana Row – Maggiano's Restaurant
- Google Day Care Center
- Santa Clara University
- San Francisco Giants
- San Jose Boys & Girls Club
- Monterey Peninsula College
- And many more...

## HEAVENLY GREENS REFERENCES

References are available on request.

I welcome the opportunity to work with you on this project and any others that you may have in the future. Please feel free to contact me if you have any questions or if I can provide any additional information.

Best Regards,

Andrew Bergot  
Heavenly Greens  
370 Umbarger Rd  
San Jose, Ca 95111  
C: 650-291-7264  
O: 408-600-2192  
[andrew@heavenlygreens.com](mailto:andrew@heavenlygreens.com)

Please come visit our showroom!  
[www.heavenlygreens.com](http://www.heavenlygreens.com)

November 1, 2015

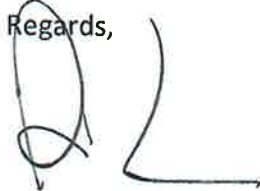
Re: Lead Compliance

All EasyTurf branded synthetic turf is produced in the U.S.A at our manufacturing plant in Calhoun, Georgia.

EasyTurf branded synthetic turf contains no detectable traces of lead based upon an RDL of 40 mg/KG. Tests were conducted by LA Testing (Garden Grove laboratory). LA Testing is an independent certified facility accredited by the American Industrial Hygiene Association and the California State Environmental Laboratory Accreditation Program.

If we can be of any further assistance please call us at 1-866-352-0233.

Regards,



Steve Haber  
President/CEO  
EasyTurf, Inc.



TESTING SERVICES, INC.  
817 SHOWALTER AVE. • P.O. BOX 2041  
DALTON, GEORGIA 30722-2041  
PHONE: (706) 226-1400 • FAX: (706) 226-6118



<b>CLIENT:</b>	FieldTurf USA, Inc.	<b>REPORT NUMBER:</b>	55863B
	175 N. Industrial Blvd	<b>LAB TEST NUMBER:</b>	2458-2996-03
	Calhoun, GA 30701	<b>DATE:</b>	August 10, 2012

**Test Material:**

Turf Identification	Infill	Pad	Sub Base
GF-LIT-R / GF-LIT-ON	2.0 lbs/ft <sup>2</sup> Silica Sand	None	3" Crushed Stone

**INTRODUCTION:**

Testing Services Inc was instructed by the client, to perform ADA wheelchair accessibility for the above described material being used under and around playground equipment.

**TEST METHOD:**

**ASTM F1951-09: Standard Specification for Determination of Accessibility of Surface Systems Under and Around Playground Equipment**

**REQUIREMENT:**

A surface in place shall have average work per foot (work per meter) values for straight propulsion and for turning **less** than the average work per foot (work per meter) values for straight propulsion and for turning, respectively, on a hard, smooth, surface with a grade of 1:14 (7.1 %).

**PROCEDURE:**

**Test Surface Preparation:** Tests were conducted on 7/12/12 indoors at TSi Laboratories in an environment of 74°F and 73% R.H. The synthetic turf was installed in a wooden box (44"W x 117"L) with an aggregate sub base. The system, prior to testing, was slightly compacted using a water-filled lawn roller to simulate foot traffic.

**Wheelchair/Operator:** The wheelchair used in these tests was manufactured by *Invcare*, Model Action Xtra, serial Number 98J84142. This wheelchair is totally adjustable, a necessity for these tests. The pneumatic tires were inflated to 60 psi on the rear and 32 psi on the front. The weight of the wheelchair was 24.25 pounds and the operator's weight was 165 pounds for a total of 189 pounds. The operator's distribution was adjusted to 60% on the rear wheels and 40 % on the front.

**Torque Measuring System:** A certified *Dillon Electronic Force Gauge*, Model BFG 500N, S/N 98-2277-07 was used as an interface between a *Dell Laptop* and a certified *Dillon Smart Torque Wrench*, S/N 97-0085-01. Software, also from Dillon, logged the load vs. time and integrated the area under the resulting curves. The adapters and accessories needed to attach the instrumentation were fabricated locally. This total package added 10 pounds to the total weight bringing the total to 199 pounds.

**TEST RESULTS:**

<b>Baseline Straight (Average Work/ft-Force)</b>	<b>GF-LIT-R-O / GF-LIT-R-ON synthetic turf with infill over a sub base (Average Work/ft-Force)</b>
13.67 lbs	9.48 lbs
<b>Baseline Turning (Average Work/ft-Force)</b>	<b>GF-LIT-R-O / GF-LIT-R-ON synthetic turf with infill over a sub base (Average Work/ft-Force)</b>
9.55 lbs	6.36 lbs

**CONCLUSION:**

The above listed material **meets/exceeds** both the straight line and turning propulsion requirements set forth in this test method and therefore, passes the standard.

Approved By:

Digitally signed by Erle Miles, Jr. VP  
DN: cn=Erle Miles, Jr. VP, o=Testing Services Inc., ou,  
email=tsioffice@windstream.net, c=US  
Date: 2012.08.10 12:08:48 -04'00'

**Erle Miles, Jr VP**  
**Testing Services Inc**





## HG FESCUE

### MATERIALS

Primary Yarn Polymer	Polyethylene "C"
Yarn Cross Section	Monofilament
Standard Color	Field Green/Olive
UV Stabilized	Yes
Fabric Construction	Tufted
Secondary Yarn Polymer Thatch	100% Polyethylene
Secondary Yarn Color	Green/Tan
Primary Backing	Composite
Coating Type	Biocel™ Polyurethane
Polyethylene Yarn Denier / Ends	10,800/6
Texturized Thatch Denier / Ends	5040/12
Sustainability	100% Recyclable
Warranty Period	10yr

Finish Fabric	English System		Metric System		ASTM Test F-1551
	Value	Units	Value	Units	
<i>Nominal Specification</i>					<i>Method</i>
Pile Height (Nominal)	2 1/8	inches	5.40	cm	D-5823
Face Weight	70	oz/yd <sup>2</sup>	2317	g/m <sup>2</sup>	D-5848
Total Fabric Weight	94	oz/yd <sup>2</sup>	3111	g/m <sup>2</sup>	D-5848
Primary Backing Weight	8	oz/yd <sup>2</sup>	265	g/m <sup>2</sup>	D-5848
Secondary Coating Weight	16	oz/yd <sup>2</sup>	530	g/m <sup>2</sup>	D-5848
Tuft Bind	>7	lbs.	>3.63	kg	D-1335
Grab Tear Strength (Average)	>200	lbs.	>91	kg.	D-5034
Lead Content	<50	ppm	<50	ppm	F-2765
Total Yarn Linear Density	15,840	Denier	17424	dtex	D-1577
Elongation to Break	>60	%	>60	%	D-2256
Yarn Breaking Strength	>19	lbs.	>8.62	kg	D-2256
Yarn Melting Point	248	F°	120	C°	D-7138
Stitch Rate	2.7	in	6.858	cm	D-5793
Machine Gauge	3/8	inches	0.9525	cm	D-5793
Flammability	Test Passed		Test Passed		D-2859
Water Permeability	>30	in/hr	>76.2	cm/hr	DIN 18-035
Fiber Thickness	3.9	mils	100	microns	D-3218
Fabric Width	15	ft	4.6	m	None

Note: Any change from the specified values is considered a special product that will require confirmation from manufacturing. All values are ± 5%.

